

# 6



OIEP

## RAW SEQUENCE LISTING

DATE: 10/01/2002

PATENT APPLICATION: US/10/010,729

TIME: 16:56:43

Input Set : A:\1199-1-005CIP2 SEQ LIST.TXT

Output Set: N:\CRF4\10012002\J010729.raw

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ENTERED

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4 <110> APPLICANT: Rodriguez, Moses
5 Miller, David J.
6 Pease, Larry R.
8 <120> TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
9 Therapeutic Uses Thereof Particularly in the Central Nervous
10 System
12 <130> FILE REFERENCE: 1199-1-005CIP2
14 <140> CURRENT APPLICATION NUMBER: 10/010,729
15 <141> CURRENT FILING DATE: 2001-11-13
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18 <151> PRIOR FILING DATE: 2000-12-05
20 <150> PRIOR APPLICATION NUMBER: 09/580,787
21 <151> PRIOR FILING DATE: 2000-05-30
23 <150> PRIOR APPLICATION NUMBER: 09/322,862
24 <151> PRIOR FILING DATE: 1999-05-28
26 <150> PRIOR APPLICATION NUMBER: 08/779,784
27 <151> PRIOR FILING DATE: 1997-01-07
29 <150> PRIOR APPLICATION NUMBER: 08/692,084
30 <151> PRIOR FILING DATE: 1996-08-08
32 <150> PRIOR APPLICATION NUMBER: 08/236,520
33 <151> PRIOR FILING DATE: 1994-04-29
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47 tgcaaggctct ctggttacac cttcacaagc tacgatataa actgggtgaa gcagaggcct 180
48 ggacaggggac ttgagtggat tggatggatt tatcctggag atggtagtac taagtacaat 240
49 gagaaattca agggcaaggc cacactgact gcagacaaat cctccagcac agcctacatg 300
50 cagctcagca gccctgacttc tgagaactct gcagtcattt tctgtgcaag agggggccag 360
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76 tgtgcaactt ctgggttcac cttcagtgat ttctacatgg agtgggtccg ccagcctcca 180
77 ggaagagacg tggagtggat tgcctgaagt agaaagaaa ctaatgatta taaacagag 240
78 tacagtgcac ctgtgaaggg gcggttcacc gtctccagag acacttccca aagcatcctc 300
79 taccttcaga tgaatgccct gagagalyay gacactgcc tttattactg tgcagagat 360
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91 ttgacctgca aggccagtgga gaatgtggtt acttatgttt cctggtatca acagaaacca 180
92 gagcagctct ctaactgctt gataacggg gcacccaacc ggtacactgg ggtccccgat 240
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105 gtcagctcca ctgtctgggc aagtcaggac attggtagta gcttaaaactg gcttcagcag 180
106 gaaccagatg gaactattaa acgcctgac taccgcaaat ccatgttaga ttctggtgtg 240
107 ccaaaaaggt tcagtggcag taggtctggg ctgagattatt cctcaccat cagcagcctt 300
108 gagtctgaag attttgtaga ctattactgt ctacaatatg ctagtctccc gtacacgctc 360
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119 atcacctgca aggccagtg ggaatgtgagt actgctgtag cctggtatca acagaaacca 180

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122 gaagacctgg cagtttatta ctgtcagcaa cattatacta ctccgctcac gtccggtgct 360
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133 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Ser
134 20 25 30
135 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
136 35 40 45
137 Ala Val Ile Ser Tyr Asp Gly Ser Arg Lys Tyr Tyr Ala Asp Ser Val
138 50 55 60
139 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
140 65 70 75 80
141 Leu Gln Met Asn Ser Leu Thr Ala Asp Asp Thr Ala Val Tyr Tyr Cys
142 85 90 95
143 Ala Lys Gly Val Thr Gly Ser Pro Thr Leu Asp Tyr Trp Gly Gln Gly
144 100 105 110
145 Thr Leu Val Thr Val Ser Ser
146 115
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157 ccaggcaagg ggcctggagt ggtggcagtt atatcatatg atggaagtaa taaatactat 180
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159 ctgcaaatga acagcctgag agctcaggac acggctgtgt attactgtgc gaaagaggtg 300
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162 <210> SEQ ID NO: 9
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164 <212> TYPE: PRT
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169 1 5 10 15
170 Lys Val Thr Ile Ser Cys Ser Gly Ser Ser Ser Asn Ile Gly Asn Asn
171 20 25 30
172 Phe Val Ser Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Arg Leu Leu
173 35 40 45
174 Ile Tyr Asp Ile Thr Lys Arg Pro Ser Gly Ile Pro Asp Arg Phe Ser
175 50 55 60

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Output Set: N:\CRF4\10012002\J010729.raw

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177 65 70 75 80
178 Thr Thr Gly Asp Glu Ala Asp Tyr Tyr Cys Gly Thr Trp Asp Ser Ser Leu
179 85 90 95
180 Ser Ala Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
181 100 105 110
182 Pro Lys
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187 <211> LENGTH: 337
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193 tctctgctctg gaagcagctc caacattggg aataattatg tatcctggta ccagcagctc 120
194 ccaggaaacag ccccaaaui uclatttat gacaataata agcgaccctc agggattcct 180
195 gaccgattct ctggctccaa gtctggcagc tcagccacc cgggcatcac cggactccag 240
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209 Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu Trp Ile
210 35 40 45
211 Gly Tyr Ile Tyr Tyr Ser Gly Ser Thr Asn Tyr Asn Pro Ser Leu Lys
212 50 55 60
213 Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe Ser Leu
214 65 70 75 80
215 Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr Cys Ala
216 85 90 95
217 Arg Ser Ala Gln Gln Leu Val Tyr Tyr Phe Asp Tyr Trp Gly Gln
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219 Gly Thr Leu Val Thr Val Ser Ser Gly
220 115 120
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231 ccagggaagc gactggagtg gattgggtat atctattaca gtggggagac caactacaac 180
232 cctccctca agagtcgagt caccatatca gtagacacgt ccaagaacab ccagtctctc 240
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 Output Set: N:\CRF4\10012002\J010729.raw

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235 ctctctcaggg                                     370
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239 <212> TYPE: PRT
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244 1 5 10 15
245 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
246 20 25 30
247 Ser Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln
248 35 40 45
249 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
250 50 55 60
251 Pro Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
252 65 70 75 80
253 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
254 85 90 95
255 Tyr Tyr Ser Thr Pro Leu Thr Phe Gly Pro Gly Thr Lys Val Asp Ile
256 100 105 110
257 Lys Arg Thr Val Ala Ala Pro
258 115
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269 tggtagcagc agaaaccagg acagctctcct aagctgctca ttactctggc atctaccctg 180
270 gaatccgggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
271 atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttatagtact 300
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283 20 25 30
284 Gly Lys Gly Leu Glu Trp Val Ala Val Ile Trp Tyr Asp Gly Ser Asp
285 35 40 45
286 Lys Tyr Tyr Val Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp
287 50 55 60
288 Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu
289 65 70 75 80

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VERIFICATION SUMMARY

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Input Set : A:\1199-1-005CIP2 SEQ LIST.TXT

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